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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,086	08/29/2006	Guenter Ries	2005P00312WOUS	7789
46726 7590 0591425088 BSH HOME APPLIANCES CORPORATION INTELLECTUAL PROPERTY DEPARTMENT 100 BOSCH BOULEVARD NEW BERN, NC 28562			EXAMINER	
			BARRERA, RAMON M	
			ART UNIT	PAPER NUMBER
,			2832	
			MAIL DATE	DELIVERY MODE
			05/14/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)			
10/591,086	RIES, GUENTER			
Examiner	Art Unit			
RAMON M. BARRERA	2832			

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -- Period for Reply

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WHICH - Extensi after SI - If NO p - Failure Any rep	RTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, HEVER IS LONGER, FROM THE MALING DATE OF THIS COMMUNICATION. om of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely fixed to the provision of 37 CFR 1.136(a). In no event, however, may a reply be timely fixed evented for may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely fixed evented for may be available to provide the provision of the come AMADIONED (38 U.S.C. § 133). To reply within the set or related period for reply with the feature, cause the application to become AMADIONED (38 U.S.C. § 133). by received by the Cffice later than these months after the mailting date of this communication, even if timely fitted, may reduce any parter time adjustment. See 37 CFR 1.70(b).
Status	
2a)□ T 3)□ S	Responsive to communication(s) filed on This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.
Dispositio	n of Claims
5)⊠ C 6)⊠ C 7)□ C	Claim(s) 14-31 is/are pending in the application. a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 22-31 is/are allowed. Claim(s) 14-21 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement.
Applicatio	n Papers
10)⊠ TI A R	he specification is objected to by the Examiner. the drawing(s) filed on 29 <u>August 2006</u> is/are: a)⊠ accepted or b)☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). the oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.
Priority un	nder 35 U.S.C. § 119
12)⊠ A a)⊠ 1 2 3	cknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). All b Some * c None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). The attached detailed Office action for a list of the certified copies not received.
Attachment(s	s) of References Cited (PTO-892) 41 Interview Summary (PTO-413)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Historration Disclosure Statement(s) (PTO/SE/CS)

Paper No(s)/Mail Date 8/29/06.

6) Other: _

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DETAILED ACTION

Claim Rejections - 35 USC § 102

 The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 14, 18, 19, and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Togashi Hitoo(JP2000-253640), et al., cited on applicant's IDS. Hitoo in figs. 2 and 7 disclosed a linear drive device comprising an excitation winding (3,14) producing a variable magnetic field and including an associated magnetic-flux-carrying main yoke body (2,12) having pole surfaces having multiple and a center limb; a winding-free counter yoke body; an axial gap formed between the main and counter-yoke bodies; an armature body (4,22) including a magnet carrier having at least two permanent magnet parts (24,26) and an axial oscillation movement being transferable to the at least two permanent magnet parts by the variable magnetic field of the excitation winding.
- Claims 14, and 17-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Hitoo Togashi(JP2000-224829), et al., cited on applicant's IDS.
 - Hitoo in figs. 4-7 disclosed a linear drive device comprising an excitation winding 14 producing a variable magnetic field and including an associated magnetic-flux-carrying main yoke body 12 having pole surfaces having multiple and a center limb; a winding-free counter yoke body; an axial gap formed between the

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main and counter-yoke bodies; an armature body 20 including a magnet carrier having at least two permanent magnet parts (20a,20b) and an axial oscillation movement being transferable to the at least two permanent magnet parts by the variable magnetic field of the excitation winding.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Togashi Hitoo, cited above, in view of Huth(EP0915553), cited on applicant's IDS. Hitoo disclosed the claimed invention except for pole shoes on the respective limbs. Huth disclosed a linear motor with pole shoes, an equivalent structure known in the art. Therefore, because these two pole structures were artrecognized equivalents at the time the invention was made, one of ordinary skill in the art would have found it obvious to employ pole shoes on Hitoo's main yoke limbs as taught by Huth.
- Claims 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over
 Togashi Hitoo, cited above, in view of McGill, et al. (US2003/017384), newly cited.

Hitoo disclosed the claimed invention except for wherein the armature body is rigidly connected to a pump plunger of a compressor. McGill, et al., disclosed a similar

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actuator having an armature body connected to a pump plunger 11 of a compressor.

Therefore, because these two actuators were art-recognized equivalents at the time the invention was made, one of ordinary skill in the art would have found it obvious to connect a pump plunger of a compressor to Hitoo's armature.

Allowable Subject Matter

- 7. Claims 22-31 are allowed.
- 8. The following is a statement of reasons for the indication of allowable subject matter: None of the prior art of record taught or reasonably suggested a linear drive device comprising a main yoke body accommodating the excitation winding and having multiple limbs including a central limb and lateral limbs; a winding-free counter-yoke body disposed opposite to the main yoke body; the main yoke body and the counter-yoke body forming a common yoke body with common lateral limbs, the central limb of the main yoke body having an axial width dimension at a pole surface facing an armature body, the axial width dimension being at least as large as the axial extension dimension of each of the at least two magnet parts of the armature.
- Any inquiry concerning this communication or earlier communications from the
 examiner should be directed to RAMON M. BARRERA whose telephone number is
 (571)272-1987. The examiner can normally be reached on Monday through Friday from
 11 to 5PM

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ramon M Barrera/ Primary Examiner, Art Unit 2832

rmb